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**US Department of Education**

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**FAFSA on the Web Redesign**  
**Detail Design Document: Signature Process**

**Version 1.0**

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## Revision History

Date	Version	Description	Author
5/09/2001	1.0	Detail Design – Signature Process	David Williams

<b>FAFSA ON THE WEB REDESIGN</b>	<b>1</b>
<b>DETAIL DESIGN DOCUMENT: SIGNATURE PROCESS</b>	<b>1</b>
<b>VERSION 1.0</b>	<b>1</b>
<b>REVISION HISTORY</b>	<b>II</b>
<b>1 INTRODUCTION</b>	<b>1</b>

Form FAFSA on the Web – 2001-2002

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<b>2</b>	<b>OBJECT DEFINITIONS</b>	<b>1</b>
<b>2.1</b>	<b>Step 8 - Signature Pages for 2001-2002 FAFSA on the Web</b>	<b>2</b>
2.1.1	Filloutapp_Sign1.jsp – Secure	2
2.1.2	Filloutapp_Sign_print_ind.jsp – Secure	3
2.1.3	Filloutapp_Sign2.jsp – Secure	3
2.1.4	Filloutapp_sign_print_dep1.jsp – Secure	4
2.1.5	Filloutapp_Sign_print_dep2.jsp – Secure	4
2.1.6	Filloutapp_sign_print_dep3.jsp – Secure	4
<b>2.2</b>	<b>eSignature Pages</b>	<b>5</b>
2.2.1	Complete007.htm – Secure	8
<b>2.3</b>	<b>Provide Electronic Signatures</b>	<b>8</b>
2.3.1	CompleteSign_1.jsp– Secure	9
2.3.2	CompleteSign_Parent.jsp – Secure	9
2.3.3	CompleteSign_SigExists.jsp – Secure	10
2.3.4	Electronic Signature already submitted.	10
2.3.5	CompleteSign_SignMatch.jsp – Secure	10
2.3.6	Parents' and student's data match.	10
2.3.7	CompleteSign_NoRecord.jsp – Secure	10
2.3.8	Application not found.	10
2.3.9	CompleteSign_Disclaim.jsp – Secure	11
2.3.10	PLEASE READ BEFORE PROCEEDING	11
2.3.11	CompleteSign_3Confirm.jsp – Secure	11
2.3.12	Electronic Signature Confirmation	12
<b>3</b>	<b>PROCESS FLOW DETAILS</b>	<b>12</b>
<b>3.1</b>	<b>Process Flow for Step 8</b>	<b>12</b>
<b>3.2</b>	<b>Process Flow Chart for eSignature</b>	<b>13</b>
<b>3.3</b>	<b>Error Handling</b>	<b>15</b>
<b>4</b>	<b>APPENDIX</b>	<b>15</b>
<b>4.1</b>	<b>Page IDs</b>	<b>16</b>
<b>4.2</b>	<b>JavaScript Validation Functions</b>	<b>16</b>
<b>4.3</b>	<b>FormApplyBean Properties.</b>	<b>17</b>

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# 1 Introduction

These are the Detail design Document for **2001-2002 FAFSA on the Web (a.k.a. FOTW)**, a module of the U.S. Department of Education's Web Applications web site (<http://www.fafsa.ed.gov>), which enables students to complete and submit an initial Free Application for Federal Student Aid (FAFSA).

## 2 Object Definitions

### 2.1 Controller Objects

#### 2.1.1 PathController

This servlet is the entry point to the application and controls the flow of navigation. The control of the navigation is tightly controlled since the user must use the navigation of the page and can not use and browser navigation. The PathController has the following properties and methods:

Properties

- CNavState – this is the object that records the navigation during the user' session.

Methods

- doGet – calls do Post
- doPost
  - adds the proper objects to the session object if the session is new
  - sets all the properties of the navstate object
  - sends the application to the correct controller (Apply or Signature or ...)
- init – this methods initializes the paths for the pages the first time it is accessed
- isPageConsistent – checks to see if the page variable is available or sends them to the inconsistent\_pages page and explains to the user that they must stick to the pages navigation.
- redr – Used to redirect to the page that is passed in as a parameter

#### 2.1.2 NavState

This is the object that holds the navigation variables for the user's session. It has the following properties:

- iAction – the action chosen by the user. List can be found in the appendix of this document.
- iPage – the page ID. List found in the appendix of this document.
- iSavedPage – the page id of the last page the user was on when they saved the application.
- iStep – the step they were on when they saved the application.
- szDetour – the detour flag.
- szHelpURL – the path to the help file for the page.
- szLanguage – either English or Spanish.

#### 2.1.3 ApplyController

This the servlet that controls the navigation and flow of the apply process. It has the following methods:

- doPost – this checks the action selected by the user and calls the method to deal with the action
- exit – this method takes care of calling the save application process before directing the user to an exit page.
- next – this method calls the method for the page that the user is coming from. It calls the method that corresponds to the page through the use of a switch statement.
- noop – this method is the default method if there is no navigation data set for the session. It checks if there is any stdata in the request object (user is coming from the PIN site) and decrypts that if necessary. Then is directs the user to the YES or NO PIN pages.
- prev – this method takes in the page the user is coming from and moves then back one. It finds the previous page using a switch statement and then redirects the user to that page.
- save – this methods saves the application data in the temporary database and then redirects the user to the Filloutapp\_Save\_app page.
- a method for each page that submits information – individual method for each page that the user is coming from.

## 2.1.4 SignatureController

This the servlet that controls the navigation and flow of the eSignature process. It has the following methods:

- doPost – this checks the action selected by the user and calls the method to deal with the action
- exit – this method takes care of calling the save application process before directing the user to an exit page.
- next – this method calls the method for the page that the user is coming from. It calls the method that corresponds to the page through the use of a switch statement.
- noop – this method is the default method if there is no navigation data set for the session. It checks if there is any stdata in the request object (user is coming from the PIN site) and decrypts that if necessary. Then it directs the user to the YES or NO PIN pages.
- prev – this method takes in the page the user is coming from and moves then back one. It finds the previous page using a switch statement and then redirects the user to that page.
- a method for each page that submits information – individual method for each page that the user is coming from.

## 2.2 Step 8 - Signature Pages for 2001-2002 FAFSA on the Web

This section contains information about the servlet HTML and jsp pages and their elements for Step 8 called under the Form FAFSA site and described by the tables below. This applications module can be accessed through the option for "Entering a FAFSA Online" found in the index page of the Web Apps web site followed by the option to "Fill Out a FAFSA".

### 2.2.1 Filloutapp\_Sign1.jsp – Secure

Command Button template #1

Control Type	Text or Description	Action
heading	<p>In order for your FAFSA to be processed, you will need to provide your signature. There are three ways that your signature can be provided:</p> <ul style="list-style-type: none"><li>• <b>Electronically Sign</b> - Use your U.S. Department of Education PIN to electronically sign your FAFSA. If you already have a PIN, but do not have it available to electronically sign now, choose the option "Electronically Sign My FAFSA". You will be able to electronically sign your FAFSA at the end of the application by selecting "Electronically Sign My FAFSA" on your confirmation page.</li><li>• <b>Print Signature Page</b> - You must have printer access from your current computer to print a signature page. You will need to sign and mail it to us immediately after submitting your FAFSA, as we will not process your FAFSA until we receive your signature page. <b>Printing will not submit your application!</b></li><li>• <b>Wait for SAR</b>- We will send you a Student Aid Report (SAR) in the mail that you must sign and return to us. We will not be able to send complete processing your FAFSA until after we receive your signed SAR in the mail.</li></ul>	N/A
Radio Buttons	How do you want to provide your signature?	1 = Electronically Sign my FAFSA 2 = Print Signature Page 3 = Wait for SAR to come in the mail

## 2.2.2 Filloutapp\_Sign\_print\_ind.jsp – Secure

Command Button template #1

Control Type	Text or Description	Action
N/A	<p>You have chosen to print a copy of your signature page.</p> <p>You will need to sign and mail your signature page to us immediately after submitting your FAFSA, as we will not process your FAFSA until we receive the signature page. If we do not receive your signature page within 14 days, we will mail you a SAR, which you will be directed to sign and return to the address listed on the SAR.</p> <p><b>Print Signature Page</b></p> <p>Once you have successfully printed the signature page, select the "Next" button below.</p>	The print signature page button prints out the formatted signature page.

## 2.2.3 Filloutapp\_Sign2.jsp – Secure

Command Button template #1

Control Type	Text or Description	Action
Heading	<p>Because you have identified yourself as a dependent student in Step 3, you will need to have one parent, whose information is provided in Step 4, provide a signature. There are three ways that your parent's signature can be provided (you and your parent do not have to provide your signatures using the same method):</p> <ul style="list-style-type: none"><li>• <b>Electronically Sign</b> - Have your parent use his or her U.S. Department of Education PIN to electronically sign your FAFSA. Your parent will be able to electronically sign your FAFSA at the end of the application by selecting "Electronically Sign My FAFSA" on your confirmation page.</li><li>• <b>Print Signature Page</b> - You must have printer access from your current computer to print a signature page. Have your parent sign and mail it to us immediately after submitting your FAFSA, as we will not process your FAFSA until we receive the signature page. <b>Printing will not submit your application!</b></li><li>• <b>Wait for SAR</b>- We will send you a Student Aid Report (SAR) in the mail that your parent must sign and return to us. We will not be able to complete processing your FAFSA until after we receive your signed SAR in the mail.</li></ul>	N/A
Radio buttons	How does your parent want to provide his or her signature?	1 = Electronically Sign my FAFSA 2 = Print Signature Page 3 = Wait for SAR to come in the mail

## 2.2.4 Filloutapp\_sign\_print\_dep1.jsp – Secure

Command Button template #1

Control Type	Text or Description	Action
Heading	<p>You have chosen to print a copy of your signature page.</p> <p>You will need to sign and mail your signature page to us immediately after submitting your FAFSA, as we will not process your FAFSA until we receive the signature page. If we do not receive your signature page within 14 days, we will mail you a SAR, which you will be directed to sign and return to the address listed on the SAR.</p> <p><b>Print Signature Page</b></p> <p>Once you have successfully printed the signature page, select the "Next" button below</p>	The Print Signature Page button prints off a formatted signature page.

## 2.2.5 Filloutapp\_Sign\_print\_dep2.jsp – Secure

Command Button template #1

Control Type	Text or Description	Action
Heading	<p>You have chosen to print a copy of the signature page for your parent to sign.</p> <p>Your parent will need to sign and mail the signature page to us immediately after submitting your FAFSA, as we will not process your FAFSA until we receive their signature page. If we do not receive your signature page within 14 days, we will mail you a SAR, which you will be directed to sign and return to the address listed on the SAR.</p> <p><b>Print Signature Page</b></p> <p>Once you have successfully printed the signature page, select the <b>Next</b> button below.</p>	The Print Signature Page button prints off a formatted signature page.

## 2.2.6 Filloutapp\_sign\_print\_dep3.jsp – Secure

Command Button template #1

Control Type	Text or Description	Action
Heading	<p>You have chosen to print a copy of the signature page for both yourself and your parent to sign.</p> <p>You and your parent will need to sign and mail your signature page to us immediately after submitting your FAFSA, as we will not process your FAFSA until we receive the signature</p>	The Print Signature Page button prints off a formatted signature page.

	<p>page. If we do not receive your signature page within 14 days, we will mail you a SAR, which you will be directed to sign and return to the address listed on the SAR.</p> <p><b>Print Signature Page</b></p> <p>Once you have successfully printed the signature page, select the "Next" button below</p>	
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## 2.2.7 Filloutapp\_Sign1.jsp – Secure (Spanish Version)

Command Button template #1


Control Type	Text or Description	Action
Heading	<p>Para que su FAFSA sea procesado, usted necesitará proporcionar su firma. Hay tres maneras que su firma puede ser proporcionada:</p> <ul style="list-style-type: none"> <li>• <b>Firme Más Tarde Electrónicamente</b> - Utilice su PIN del Departamento de la Educación para firmar su FAFSA más tarde electrónicamente. Si usted ya tiene un PIN, pero no lo tiene disponible ahora para firmar electrónicamente, seleccione "Firmar Mi FAFSA Más Tarde Electrónicamente ". Usted podrá firmar su FAFSA si selecciona "Firmar Mi FAFSA Electrónicamente" bajo la sección Terminando Su FAFSA.</li> <li>• <b>Imprima Página de la Firma</b> - Usted debe tener acceso a una impresora de su computadora actual para imprimir una página de la firma. Usted necesitará firmar y enviar su página a nosotros inmediatamente después de someter su FAFSA, pues no procesaremos su FAFSA hasta después de que recibamos su página de la firma. <b>¡La impresión de la página de la firma no someterá su aplicación!</b></li> <li>• <b>Espera el SAR</b> - Le enviaremos un Informe de la Ayuda del Estudiante (Student Aid Report "SAR") por correo que usted debe firmar y enviar a nosotros. No podremos terminar el proceso de su FAFSA hasta después de que recibamos su SAR firmado por correo.</li> </ul>	N/A
Radio Buttons	<p><b>¿Cómo usted desea proporcionar su firma?</b></p>	<p>1 = Firme Más Tarde Electrónicamente 2 = Imprima Página de la Firma 3 = Espere el SAR por Correo</p>

## 2.2.8 Filloutapp\_Sign\_print\_ind.jsp – Secure (Spanish Version)

Command Button template #1

Control Type	Text or Description	Action
N/A	Usted ha elegido imprimir una copia de su página de la firma.	The print signature page button prints out the formatted signature page.



	<p>Usted necesitará firmar y enviar su página de la firma a nosotros inmediatamente después de someter su FAFSA, pues no procesaremos su FAFSA hasta después de que recibamos la página de la firma. Si no recibimos su página de la firma dentro de 14 días, le enviaremos un Informe de la Ayuda del Estudiante (Student Aid Report "SAR") que debe firmar y enviar a nosotros a la dirección enumerada en su SAR.</p>  <p>Una vez que usted haya imprimido la página de la firma con éxito, seleccione "Siguiente".</p>	
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## 2.2.9 Filloutapp\_Sign2.jsp – Secure (Spanish Version)

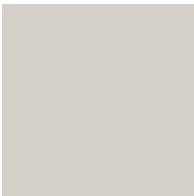
Command Button template #1

Control Type	Text or Description	Action
Heading	<p>Porque usted se ha identificado como un estudiante dependiente en el paso número 3, usted necesitará que uno de sus padres, de quién su información fue proporcionada en el paso número 4, firme su aplicación. Hay tres maneras que la firma de su padre puede ser proporcionada (usted y su padre no tienen que proporcionar sus firmas usando el mismo método):</p> <ul style="list-style-type: none"> <li>• <b>Firme Más Tarde Electrónicamente</b> - Su padre necesitará utilizar su propio PIN del Departamento de la Educación para firmar su FAFSA más tarde electrónicamente. Su padre será capaz de firmar su FAFSA más tarde si selecciona "Firmar Mi FAFSA Electrónicamente" bajo la sección Terminando Su FAFSA.</li> <li>• <b>Imprima Página de la Firma</b> - Usted debe tener acceso a una impresora de su computadora actual para imprimir una página de la firma. Su padre necesitará firmar y enviar su página a nosotros inmediatamente después de someter su FAFSA, pues no procesaremos su FAFSA hasta después de que recibamos su página de la firma. <b>¡La impresión de la página de la firma no someterá su aplicación!</b></li> <li>• <b>Espera el SAR</b> - Le enviaremos un Informe de la Ayuda del Estudiante (Student Aid Report "SAR") por correo que su padre debe firmar y enviar a nosotros. No podremos terminar el proceso de su FAFSA hasta después de que recibamos su SAR firmado por correo.</li> </ul>	N/A
Radio buttons	<b>¿Cómo sus padre desea proporcionar su firma?</b>	1 = Firme Más Tarde Electrónicamente

		2 = Imprima Página de la Firma 3 = Espere el SAR por Correo
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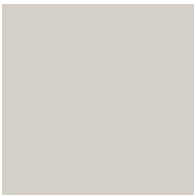
## 2.2.10 Filloutapp\_sign\_print\_dep1.jsp – Secure (Spanish Version)

Command Button template #1

Control Type	Text or Description	Action
Heading	<p>Usted ha elegido imprimir una copia de su página de la firma.</p> <p>Usted necesitará firmar y enviar su página de la firma a nosotros inmediatamente después de someter su FAFSA, pues no procesaremos su FAFSA hasta después de que recibamos la página de la firma. Si no recibimos su página de la firma dentro de 14 días, le enviaremos un Informe de la Ayuda del Estudiante (Student Aid Report "SAR") que debe firmar y enviar a nosotros a la dirección enumerada en su SAR.</p>  <p>Una vez que usted haya imprimido la página de la firma con éxito, seleccione "Siguiente".</p>	The Print Signature Page button prints off a formatted signature page.

## 2.2.11 Filloutapp\_Sign\_print\_dep2.jsp – Secure (Spanish Version)

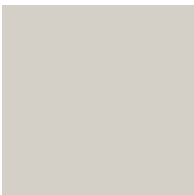
Command Button template #1

Control Type	Text or Description	Action
Heading	<p>Usted ha elegido imprimir una copia de su página de la firma para que uno de sus padres proporcione su firma.</p> <p>Su padre necesitará firmar y enviar su página de la firma a nosotros inmediatamente después de someter su FAFSA, pues no procesaremos su FAFSA hasta después de que recibamos la página de la firma. Si no recibimos su página de la firma dentro de 14 días, le enviaremos un Informe de la Ayuda del Estudiante (Student Aid Report "SAR") que su padre debe firmar y enviar a nosotros a la dirección enumerada en su SAR.</p>  <p>Una vez que usted haya imprimido la página de la firma con</p>	The Print Signature Page button prints off a formatted signature page.

	éxito, seleccione "Siguiente".	
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## 2.2.12 Filloutapp\_sign\_print\_dep3.jsp – Secure (Spanish Version)

Command Button template #1

Control Type	Text or Description	Action
Heading	<p>Usted ha elegido imprimir una copia de su página de la firma para que usted y uno de sus padres proporcionen sus firmas.</p> <p>Usted y su padre necesitaran firmar y enviar su página de la firma a nosotros inmediatamente después de someter su FAFSA, pues no procesaremos su FAFSA hasta después de que recibamos la página de la firma. Si no recibimos su página de la firma dentro de 14 días, le enviaremos un Informe de la Ayuda del Estudiante (Student Aid Report "SAR") que usted y su padre deben firmar y enviar a nosotros a la dirección enumerada en su SAR.</p>  <p>Una vez que usted haya imprimido la página de la firma con éxito, seleccione "Siguiente".</p>	The Print Signature Page button prints off a formatted signature page.

## 2.3 eSignature Pages

This section contains information about the servlet HTML and jsp pages and their elements for the eSignature process called under the Form FAFSA site and described by the tables below. This applications module can be accessed through the option for "Provide an electronic Signature" found in the index page of the Web Apps web site.

### 2.3.1 Complete007.htm – Secure

Command Button template #1

Control Type	Text or Description	Action
Heading	<p><b>2.4 Provide Electronic Signatures</b></p> <p>Students and Parents can use this site to electronically sign submitted FAFSA Express and FAFSA on the Web applications, including FAFSA on the Web, the Renewal FAFSA on the Web, and FAFSA Corrections on the Web.</p> <p>You must first submit a FAFSA in order to provide an electronic signature. If you have not filled out a FAFSA and would like to fill out a FAFSA on the Web, please select Completing a FAFSA.</p> <p>To electronically sign your FAFSA, students and parents (if applicable) must have a PIN. If you do not have or forgot your</p>	Directs the correct signature page for the selected date.

	<p>PIN, go to the PIN Site.</p> <p>In order to provide an electronic signature, we will ask you for some basic identifying information and your PIN, as well as whether you're signing as a student or a parent. If you're signing as a parent you will also need to supply information about the student. We will then ask you what type of application you want to electronically sign.</p> <p>Please note: if you do not receive a confirmation page and number, then the Department of Education has not received your electronic signature.</p> <div style="border: 1px solid black; padding: 10px; margin: 10px 0;"> <p style="text-align: center;"><b>What is the school year of the application you would like to sign?</b></p> <div style="display: flex; justify-content: space-between;"> <div> <p>The 2000-2001 School Year (July 1st, 2000 - June 30th, 2001)</p> <p>The 2001-2002 School Year (July 1st, 2001 - June 30th, 2002)</p> </div> <div style="border: 1px solid black; padding: 2px 5px;">Select</div> </div> </div> <div style="border: 1px solid black; width: 100px; height: 20px; margin: 10px auto;"></div>	
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## 2.4.1 CompleteSign\_1.jsp– Secure

Command Button template #1

Control Type	Text or Description	Action
Heading	<div style="display: flex; align-items: center;"> <div style="flex: 1;">Are you signing the application as a Student or a Parent?</div> <div style="border: 1px solid black; padding: 2px 5px;">Select</div> <div style="width: 20px; text-align: center;">▼</div> </div>	Directs the user to the parent or student side of the signing process.

## 2.4.2 CompleteSign\_Parent.jsp – Secure

Command Button template #1

Control Type	Text or Description	Action
Heading	If you are a parent signing a daughter or son's application, you must supply the following information about the student so we can match your signature to the student's application.	N/A
Text	What is the student's Social Security Number?	
Text	Please enter this number without the dashes. For example, 123456789.	
Text 3 Text	What are the first two (2) letters of the student's last name? What is the student's date of birth?	
	Please enter this date in "mm/dd/CCyy" format. For example, August 17, 1975 is 08/17/1975.	

### 2.4.3 CompleteSign\_SigExists.jsp – Secure

Command Button template #1

Control Type	Text or Description	Action
Heading	<p><b>2.4.4 Electronic Signature already submitted.</b></p> <p>You currently have an electronic signature waiting to be processed. If you need to submit another signature, you must wait until the current electronic signature has been processed. This process typically takes 24 hours, excluding weekend and designated holidays.</p>	Directs the correct signature page for the selected date.

### 2.4.5 CompleteSign\_SignMatch.jsp – Secure

Command Button template #1

Control Type	Text or Description	Action
Heading	<p><b>2.4.6 Parents' and student's data match.</b></p> <p>You answered that you were signing as a parent, however, the information you supplied as the Parent is identical for the information you supplied for the student. The Social Security Numbers for the Parent and Student cannot be the same.</p> <p>To start the process of signing a FAFSA application or FAFSA Correction over, select Try Again.</p> <p>Please note: if you do not receive a confirmation page and number, then the Department of Education has not received your electronic signature.</p>	N/A.

### 2.4.7 CompleteSign\_NoRecord.jsp – Secure

Command Button template #1

Control Type	Text or Description	Action
Heading	<p><b>2.4.8 Application not found.</b></p> <p>We did not find an application for you, so we don't have anything to apply your signature to. Possible reasons for this are:</p> <ul style="list-style-type: none"><li>• You may have typed the information on one of the previous pages incorrectly, or</li><li>• The information you typed may not match what we have in our database.</li></ul> <p>To start the process of signing a FAFSA application or FAFSA</p>	N/A

	Correction over, select Try Again	
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## 2.4.9 CompleteSign\_Disclaim.jsp – Secure

Command Button template #1

Control Type	Text or Description	Action
Heading	<p><b>2.4.10 PLEASE READ BEFORE PROCEEDING</b></p> <p>Transmission of your electronic signature information via this web site to the U.S. Department of Education by providing your social security number, the first two characters of your last name, your date of birth, and the PIN provided to you by the U.S. Department of Education, represents your "electronic signature" for that application or correction form. By transmitting your electronic signature information you certify that all of the information provided on the FAFSA application or FAFSA correction form is true and complete to the best of your knowledge. If asked, you agree to give proof of that information, which may include a copy of your U.S. or state income tax form. If you purposely certify to false or misleading information, you may be fined \$10,000, sent to prison, or both. You also certify that:</p> <ul style="list-style-type: none"> <li>You will use any federal student aid funds received during the award year covered by this application solely for educational expenses related to attendance during that year at the institution of higher education that determined eligibility for those funds;</li> <li>You are not in default on a Title IV educational loan, or you have repaid or made satisfactory arrangements to repay your loan if you are in default;</li> <li>You do not owe an overpayment on Title IV educational grant, or you have made satisfactory arrangements to repay that overpayment;</li> <li>and You will notify your school if you do owe an overpayment or are in default. If you are not able to certify to all of the above you must not transmit your electronic signature information and must exit this form immediately. We will not save your data.</li> </ul> <p>To sign the application now select the "Submit My Signature". To Exit without signing, select "Exit".</p>	Directs the correct signature page for the selected date.

## 2.4.11 CompleteSign\_3Confirm.jsp – Secure

Command Button template #1

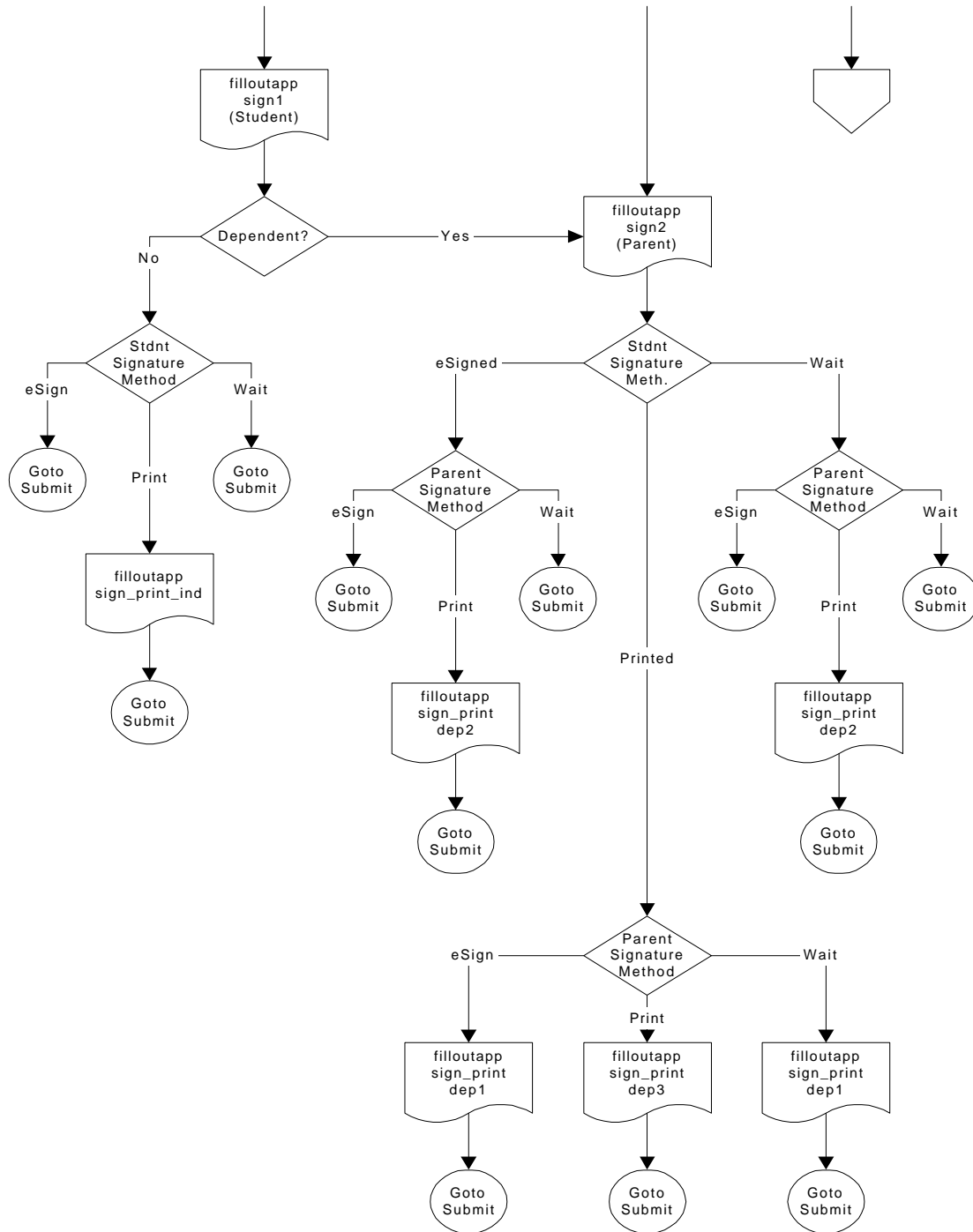
Control Type	Text or Description	Action
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Heading	<p><b>2.4.12 Electronic Signature Confirmation</b></p> <p>Confirmation Stamp: XXXXXXXXXXXXXXXX ED XX/XX/XXXX XX:XX:XX</p> <p><b>Thank you for using the Electronic Signatures for FAFSA on the Web.</b></p> <p>We recommend you print and save this page for your records.</p> <p>If you need to apply another signature to an application, select Electronically Sign My Application. You may need to do this if you have to apply both a student and a parent signature to an application. For example, you, the student, just signed your application and we also require a parent's signature to process the application. If your parent has a PIN, they can now electronically sign your application.</p>	Directs the correct signature page for the selected date.
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### 3 Process Flow Details

#### 3.1 Process Flow for Step 8 – Signature

The navigation for Step 8 is controlled by the FOTW application and can be referenced in the FOTW\_DDD.doc.



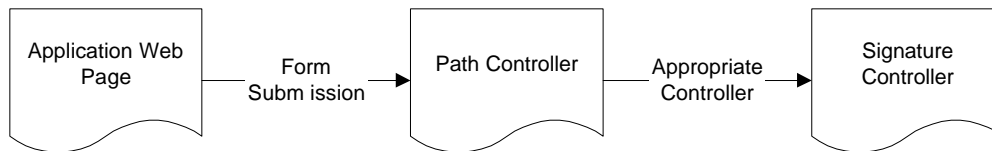
### 3.2 Process Flow Chart for eSignature

The navigation through the eSignature process is set up as follows.

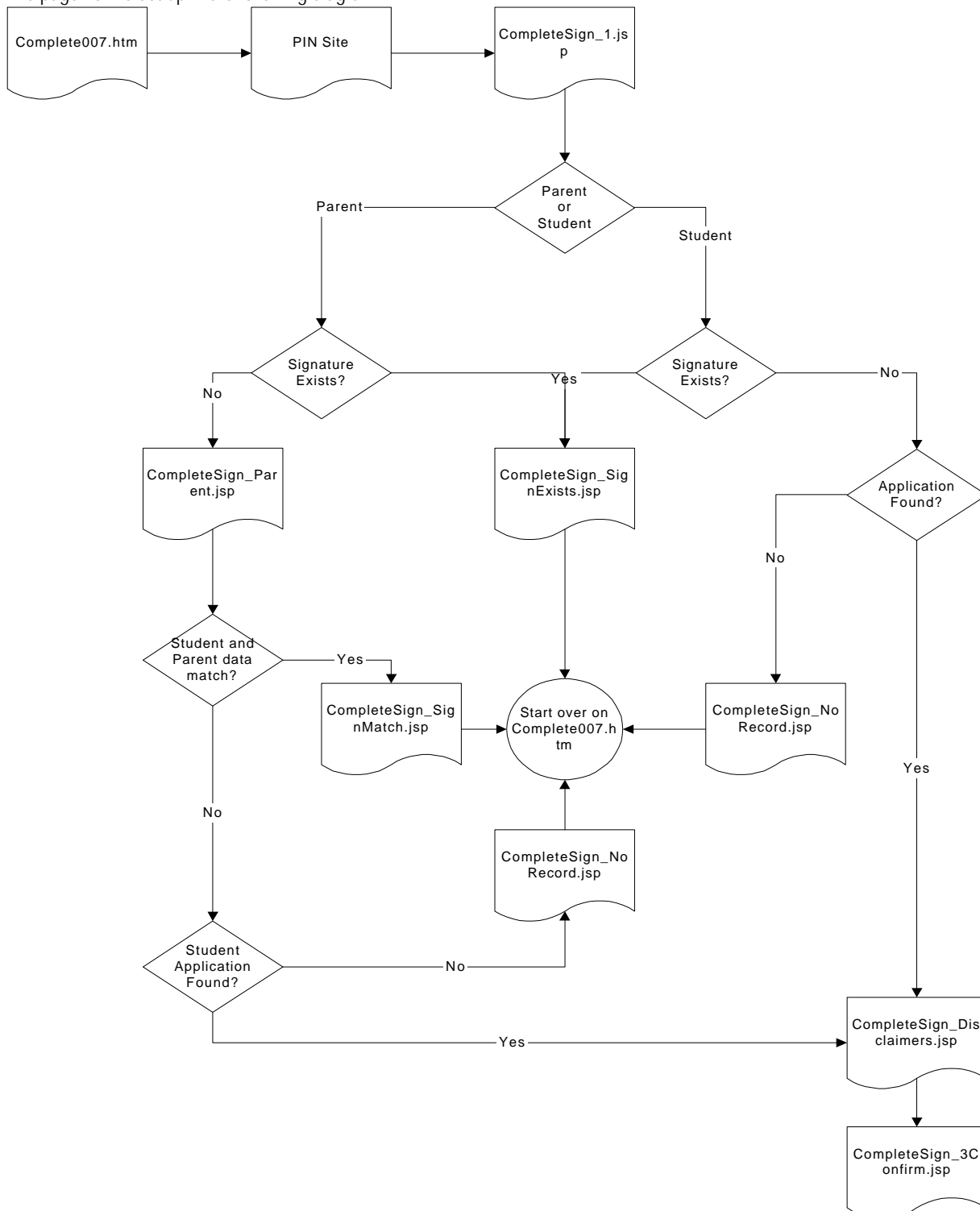
The navigation is set up as in the apply process except using the SignatureController instead of the ApplyController. See FOTW\_DDD.doc for details.

The servlet architecture is setup by the following diagram:





The page flow is set up in the following diagram:



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### 3.3 Error Handling

Work in progress.

## 4 Appendix

### 4.1 Navigation Constants

Navigation Action	Constant Value	Description
NOOP	10	No operation (default or first time into the application)
NEXT	11	Next page
PREV	12	Previous page
REDR	13	Redirect
CONT	14	Continue (If navigation is confused)
SAVE	15	Save the session data
EXIT	16	Exit application
SRCH	60	Search for a school code
VRFY	61	Verify as school code
DELT	62	Delete a school code
SMRY	63	Review pages
SUBM	64	Submit the application to the db

### 4.2 Step Constants

Step	Description
00	Introduction
01	Personal Info
02	Financial Info
03	Dependency Status
04	Parent Info
05	Household Info
06	Schools
07	Final Check/Review
08	Signatures
09	Print
10	Submit

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### 4.3 Page IDs

Current PageID	Step	Name/Desc.
10910	8	Filloutapp_Sign1
10920	8	Filloutapp_Sign2
10930	8	Filloutapp_Sign_print_ind
10940	8	Filloutapp_Sign_print_dep1
10950	8	Filloutapp_Sign_print_dep2
10960	8	Filloutapp_Sign_print_dep3
70110	8	CompleteSign_1.jsp
70130	8	CompleteSign_Parent.jsp
70120	8	CompleteSign_SignExists.jsp
70140	8	CompleteSign_SignMatch.jsp
70170	8	CompleteSign_NoRecord.jsp
70150	8	CompleteSign_Disclaimers.jsp
11060	8	CompleteSign_Confirm.jsp

### 4.4 JavaScript Validation Functions

#### Name of Function

#### What it validates

IsPassword

Makes sure it does not contain certain characters

Makes sure password1 = password2

Only letters

IsTwoCharacterName

Length of 2

IsFieldEmpty

Empty field

IsDate

Must be a valid date

IsMonthYear

The month and year are valid

IsName

Must be letters

Length of 1

IsMiddleInitial

Only letters

IsAddress

Only letters and some characters allowed

IsCity

Only letters

IsZipCode

Only numbers and correct length

IsAreaCode

Length of 3 and only numbers

IsPrefix

Length of 3 and only numbers

IsExtension

Length of 4 and only numbers

IsDriversLicenseNumber

Letters and numbers

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IsARN	Only numbers
IsSignedInteger	Only positive integers
IsUnsignedIntegers	All integers
IsSSN	Only numbers and correct format
IsEIN	Only numbers
IsSchoolName	Only letters and some characters
IsSixChecked	Not more than six schools selected
IsEmailAddress	Correct email address format
IsChecked	At least one radio button selected
IsSelected	Combo box selected

#### **4.5 FormApplyBean Properties.**

The FormApplyBean stores the session data for the user, including all of their answers to the questions.

Page: Page where the field is entered

Field Name: Name of the field where the value is stored

Description: Description of the field's purpose.

<b>Page</b>	<b>Description</b>	<b>Field Name</b>
step_1a	Last Name	szLastName
step_1a	First Name	szFirstName
step_1a	Middle Name	szMiddleName
step_1a	Street Address	szAddress
step_1a	City	szCity
step_1a	State	szState
step_1a	Zip Code	szZipCode
step_1a	SSN Pre-pop	
step_1b	DOB Month	
step_1b	DOB Day	
step_1b	DOB Year	
step_1b	Permanent Phone Area Code	szPhoneAreaCode
step_1b	Permanent Phone Prefix	szPhonePrefix
step_1b	Permanent Phone Extension	szPhoneExtension
step_1b	Drivers License	szDriversLicenseNumber
step_1b	Drivers License State	szDriversLicenseState

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step_1b	Citizen	iCitizen
step_1b	Alien Registration Number	szARN
step_1b	Student Marital Status	iStudentMaritalStatus
step_1b	Student Marital Month	iStudentMaritalMonth
step_1b	Student Marital Year	iStudentMaritalYear
step_1b	Early Analysis	iEarlyAnalysis
step_1c	Expected Summer 2001 enrollment	iEnrollmentSummer1
step_1c	Expected Fall 2001 enrollment	iEnrollmentFall
step_1c	Expected Winter 2001-2002 enrollment	iEnrollmentWinter
step_1c	Expected Spring 2002 enrollment	iEnrollmentSpring
step_1c	Expected Summer 2002 enrollment	iEnrollmentSummer2
step_1c	Fathers highest school	iFatherHighestLevel
step_1c	Mothers highest school	iMotherHighestLevel
step_1c	State of legal residence	szStudentLegalState
step_1c	Resident before Jan. 1, 1996	iStudentResidentBefore
step_1c	Month you became a resident	iStudentResidentBeforeMonth
step_1c	Year you became a resident	iStudentResidentBeforeYear
step1c_x	Highest school your father completed	iFatherHighestLevel
step1c_x	Highest school your mother completed	iMotherHighestLevel
step1c_x	What is your state of legal residence	szStudentLegalState
step1c_x	Did you beocme a legal resident of this state before January 1, 1996	iStudentResidentBefore

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step1c_x	Month you became a legal resident of this state	iStudentResidentBeforeMonth
step1c_x	Year you became a legal resident of this state	iStudentResidentBeforeYear
step1d	Are you a male?	iMale
step1d	Do you want the Selective Service to register you?	iSSRegister
step1d	What degree will you be working on during 01-02?	iProgramDegree
step1d	What will be your grade level when you begin the 01-02 school year?	iGradeLevel
step1d	Will you have a high school diploma or GED before you enroll?	iHSDiploma
step1d	Will you have your 1st bachelor degree before 7/1/2002	iDegreeBefore
step1d	Are you interested in student loans?	iStudentLoan
step1d	Are you interested in work study?	iStudentWorkStudy
step1d	Have you ever been convicted of possessing or selling illegal drugs?	iConvicted
step2a	For 2000, have you completed your IRS income tax return or another tax return?	iStudentFiled
step2b	What income tax return did you file or will you file for 2000?	iStudentTaxType

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step2b	If you have filed or will file a 1040, were you eligible to file a 1040A or 1040EZ?	iStudentFile1040A
step2b	Wages, salaries, tips, etc.	iWages
step2b	Interest Income	iInterest
step2b	Dividends	iDividends
step2b	Other taxable income	iOther
step2b	IRS-allowable adjustments to income	iAdjustments
step2b	What was your adjusted gross income for 2000?	iAGI
step2c	Enter the total amount of your income tax for 2000	iStudentIncomeTax
step2c	Enter your exemptions for 2000	iStudentExemptions
step2c	How much did you earn from working in 2000?	iStudentIncome
step2c	How much did your spouse earn from working in 2000?	iSpouseIncome
step2c_x	How much did you earn from working in 2000?	iStudentIncome
step2c_x	How much did your spouse earn from working in 2000?	iSpouseIncome
step2d	WA1. Earned income credit from the IRS Form line:	iEIC
step2d	WA2. Additional child tax credit from IRS Form 1040-line 62 or 1040A-line 39	iChildTax

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step2d	WA3. Welfare benefits, including Temporary Assistance for Needy Families	iWelfare
step2d	WA4. SS benefits received that were not taxed	iSSUntaxed
step2d	Total of Student's Worksheet A(WSA) NOTE: This is the combined total of items 72-75	iTotal
step2e	WB1. Payments to tax deferred pension and savings plans, include amounts reported on the W-2 form in Box 13, codes D, E, F, G, H, and S	iPayTaxDef
step2e	WB2. IRA deductions and payments to self-employed SEP, SIMPLE and Keogh and other qualified plans from IRS Form 1040-total of lines 23+29 or 1040A-line 16	iPayIRA
step2e	WB3. Child support received for all children	iChildSupport
step2e	WB4. Tax exempt interest income from IRS Form 1040-line 8b or 1040A-line 8b	iExemptInterest
step2e	WB5. Foreign income exclusion from IRS form 2555- line 43 or 2555EZ- line 18	iForeign



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step2e	WB6. Untaxed portions of pensions from IRS form 1040-lines (15a minus 15b) + (16a minus 16b) or 1040A-lines (11a minus 11b) + (12a minus 12b) excluding rollovers:	iUntaxedPension
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step2e	WB7. Credit for federal tax on special fuels from IRS Form 4136 line 9 - nonfarmers only	iFuel
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step2e	WB8. Housing, food, and other living allowances paid to members of the military, clergy, and others (including cash payments and cash value of benefits)	iAllowance
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step2e	WB9. Veterans non-education benefits such as Disability, Death Pension, or Dependency & Indemnity Compensation (DIC) and/or VA Educational Work Study allowances	iVetBenefits
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step2e	WB10. Any other untaxed income not reported elsewhere on Worksheets A and B, such as worker's comp, untaxed portions of railroad retirement benefits, Black Lung Benefits, Refugee Assistance, etc. Don't include student aid, Workforce Investments Act educational benefits, or benefits from flexible spending arrangements, eg. cafeteria plans	iOther
step2e	WB11. Cash received, or any money paid on your behalf, not reported elsewhere on this form:	iCash
step2e	Total of Student's Worksheet B(WSB) NOTE: This is total of items 78-88 above	iTotal
step2f	WC1. Education credits (Hope and Lifetime Learning tax credits) from IRS form 1040- line 46 or 1040A - line 29	iEducation
step2f	WC2. Child support paid because of divorce or separation. Don't include support for children living in your household, as reported in Question 84	iChildSupport

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step2f	WC3. Taxable earnings from federal Work-Study or other need-based work programs	iWorkStudy
step2f	WC4. Student grant, scholarship, and fellowship aid, including AmeriCorps awards, that was reported to the IRS in your (the student's) adjusted gross income	iGrant
step2f	46. Total of Student's Worksheet C(WSC) NOTE: this is the total of items 91-94 above	iTotal
step2g	As of today, what is the net worth of your current investments?	iStudentInvestments
step2g	As of today, what is the net worth of your current businesses and/or investment farms?	iStudentBusiness
step2g	As of today, what is your total current balance of cash, savings, and checking accounts?	iStudentCash
step2g	If you receive veterans education benefits, for how many months from July 1, 2001 through June 30, 2002 will you receive these benefits?	iVetEdMonths
step2g	What amount of veteran education benefits will you receive per month?	iVetEdBenefits

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step3a	Were you born before 1/1/1978?	iDOBPrior
step3a	Will you be working on a master's or doctorate during the school year 01-02?	iGraduateProgram
step3a	As of today, are you married?	iMarried
step3a	Do you have children who receive more than half of their support from you?	iDependentSupport
step3a	Do you have dependents who live with you and who receive more than half of their support from you, now and through 6/30/02?	iDependentLive
step3a	Are you an orphan or ward of the court, or were you a ward of the court until age 18?	iOrphan
step3a	Are you a veteran of the U.S. Armed Forces?	iVeteran
step3b	Do you want to answer questions about your parents?	iSkipParent
step3b_x	no fields	
step4a	Marital status	iParentMaritalStatus
step4a	Fathers ssn - going to one text box	szFatherSSN
step4a	Fathers last name	szFatherLastName
step4a	Mothers ssn - going to one text box	szMotherSSN
step4a	Mothers last name	szMotherLastName

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step4b	Parents other children	iParentHHSChild
step4b	Other people with parents	iParentHHSOther
step4b	# of family members	iParentHHMembers
step4b	How many college students?	iParentHHCollege
step4c	Parents state of residence	szParentLegalState
step4c	Did parents become legal before 1996?	iParentResidentBefore
step4c	Month of legal residence	iParentResidentBeforeMonth
step4c	Month of legal residence	iParentResidentBeforeYear
step4c	Age of older parent	iParentAge
step4c	Have they completed tax form yet?	iParentFiled
step4d	Type of parents income tax form	iParentTaxType
step4d	Eligible to file a 1040a?	iParentFile1040A
step4d	Parents Wages, salary, tips, etc	iWages
step4d	Parents interest income	iInterest
step4d	Parents dividends	iDividends
step4d	Other taxable income	iOther
step4d	IRS allowable adjustments	iAdjustments
step4d	Parents adjusted gross income	iAGI
step4e	Parents income tax for 2000	iParentIncome
step4e	Parents exemptions for 2000	iParentExemptions
step4e	Father earn in 2000	iFatherIncome
step4e	Mother earn in 2000	iMotherIncome

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step4e_x	How much did father earn?	iFatherIncome
step4e_x	How much did mother earn?	iMotherIncome
step4f	Earned income credit	iEIC
step4f	Additional child tax credit	iChildTax
step4f	Welfare benefits	iWelfare
step4f	Social Security benefits	iSSNUntaxed
step4f	Total	iTotal
step4g	payments to tax deferred pension	iPayTaxDef
step4g	IRA deductions and payments to self employed	iPayIRA
step4g	Child support for all children	iChildSupport
step4g	Tax exempt interest income from the IRS	iExemptInterest
step4g	Foreign income exclusion	iForeign
step4g	Untaxed portion of pensions	iUntaxedPension
step4g	Credit for federal tax on fuels.	iFuel
step4g	Housing, food and other living allowances	iAllowance
step4g	Veterans non-education benefits	iVetBenefits
step4g	Any other untaxed income.	iOther
step4g	Total	iTotal
step4h	Education credits from IRS	iEducation
step4h	Child support being paid.	iChildSupport
step4h	Taxable earnings from work study?	iWorkStudy
step4h	Student grant, scholarship, etc	iGrant
step4h	Total of parents worksheet	iTotal

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step4i	Net worth of your parent's investments?	iParentInvestments
step4i	Net worth of your parents businesses?	iParentBusiness
step4i	Parent's total cash?	iParentCash
step5a	Household info - # of children if provided more than 1/2 their support	iYourself
step5a	Household info - # of children if provided more than 1/2 their support	iMarried
step5a	Household info - # of children if provided more than 1/2 their support	iStudentHHSChild
step5a	Others that you have provided 1/2 their income.	iStudentHHOther
step5a	# of family members in 2001 - 2002?	iStudentHHMembers
step5a	How many of above will be college students between July 1, 2001, and June 30, 2002?	iStudentHHCCollege
step5a_x	no fields	
step6a	Search page - fill in key words.	szName szCity szState szCode0 szCode1 szCode2 szCode3 szCode4 szCode5
step6b	schoolbeans 1 - 6	

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step6b	Federal School code	szCode
step6b	Name of College	szName
I	Housing plan	szHousingPlan
step6b	College city	szCity
step6b	College state	szState
step6b	Which school year are you applying for?	?
step6c	Search page - fill in key words.	
step6d	schoolbeans 1 - 6	
step6d	Federal School code	szCode
step6d	Name of College	szName
step6d	Housing plan	szHousingPlan
step6d	College city	szCity
step6d	College state	szState
step6d	Which school year are you applying for?	?
step6e	schoolbeans 1 - 6	
step6e	Federal School code	szCode
step6e	Name of College	szName
step6e	Housing plan	szHousingPlan
step6f	schoolbeans 1 - 6	
step6f	Federal School code	szCode
step6f	Name of College	szName
step6f	Housing plan	szHousingPlan
step6f	College city	szCity
step6f	College state	szState
step6f	Which school year are you applying for?	?
step6g	schoolbeans 1 - 6	
step6g	Federal School code	szCode
step6g	Name of College	szName
step6g	Housing plan	szHousingPlan
step6g	College city	szCity
step6g	College state	szState



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step6g	Which school year are you applying for?	?
step6h	schoolbeans 1 - 6	
step6h	Federal School code	szCode
step6h	Name of College	szName
step6h	Housing plan	szHousingPlan
step7a	Other than spouse or parents fill out your fafsa?	iPreparer
step7b	Preparer's SSN - going to one text box for SSN	szPreparerSSN
step7b	Employer ID number	szPreparerEIN